

010228.





Fig. 1
Leveling by the Spirit Level.



Fig. 2
V Level.

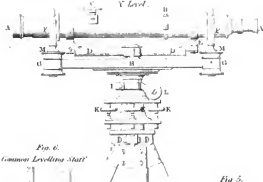


Fig. 6.
Common Levelling Staff.



Fig. 5.



Fig. 7
Farwell's Levelling Staff.



Fig. 8
Sigsbee's Levelling Staff.



Fig. 9
Barlow's Levelling Staff.



Fig. 3
Troughless Level.

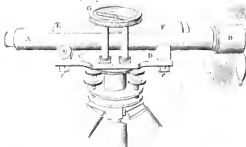


Fig. 4
Transit.

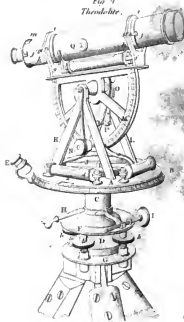


Fig 1

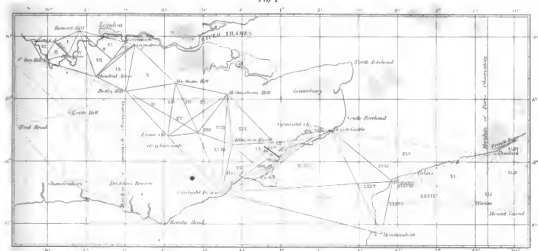


Fig 2

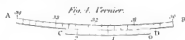
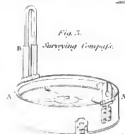
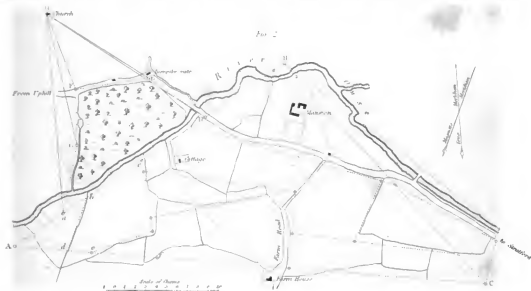


Fig. 5. Levelling by the Theodolite.



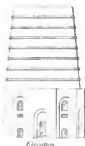
Fig. 6. Circular Protractor.



MISCELLANIES.

STEEL RAILROAD CEMENTS

PLATE



Elevation



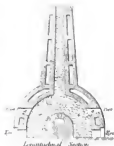
Section



Elevation



Transverse Section



Longitudinal Section

Erie at Hudson River in Present.

Country Bridge

Count Basford's Bridge



Plan



Plan

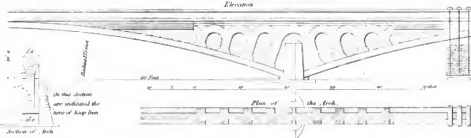


Plan

ALUMINUM CEMENTS

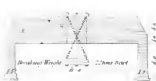
M. Brucel's experimental brick and cement brick

Elevation



Section of brick

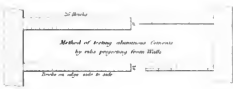
Plan of the brick



Elevation of M. Brucel's brick house.



Section



Method of testing aluminum concrete by the projecting from walls

Bricks on edge side to side

PLASTERERS' TIPS



Back

Side

Front

Back

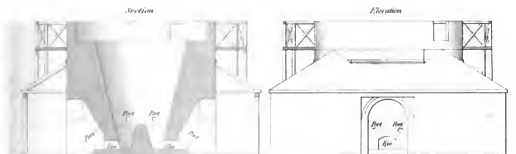


Angle

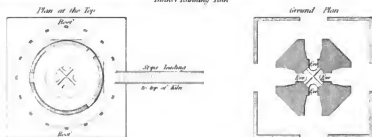
Back

Side

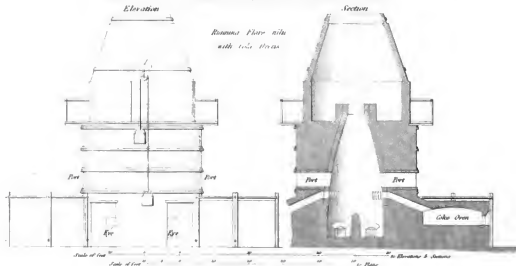
Front



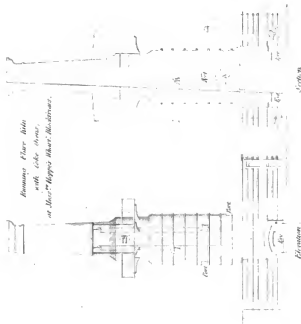
Tunnel Running Kiln



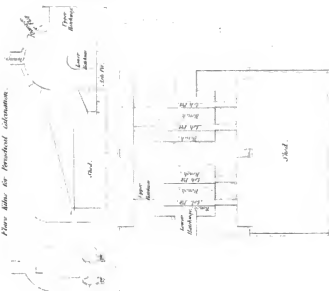
M^{rs} Eastwood's Lime Kiln Wellington Wharf, Adelaide Road, Lambeth.
Elevation



Elevation.



Plan of the Pierhead Elevation.



MISCELLANIES.

Novels

Fig. 7.



Fig. 4.



Fig. 1.



Fig. 2.



Fig. 3.

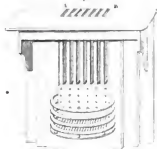


Fig. 8.



Fig. 9.



Fig. 6.

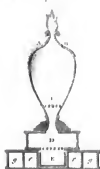


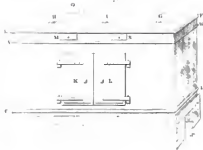
Fig. 5.



Fig. 11.



Fig. 10.



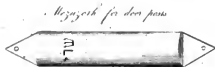
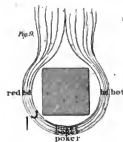
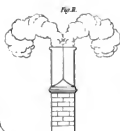
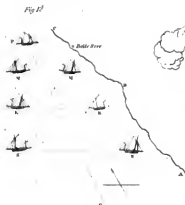
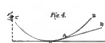
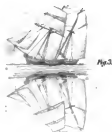


MODERN ROUTE

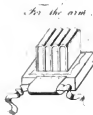
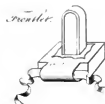


ROMA ANTIQVA





Swedish Phylacteries



MISCELLANIES

Lighthouse Plate 2

Plate 48

Fig 1.



Fig 2.

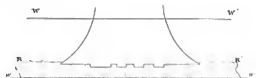


Fig 3



Fig 4



Fig 5



Fig 6



Fig 7.



Fig 10

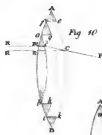


Fig 11



Fig 15

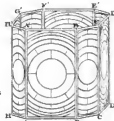


Fig 12

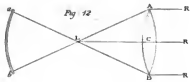


Fig 13

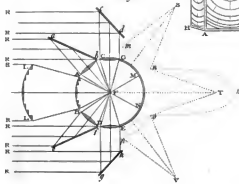
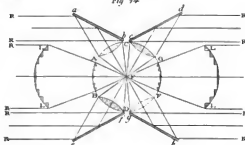
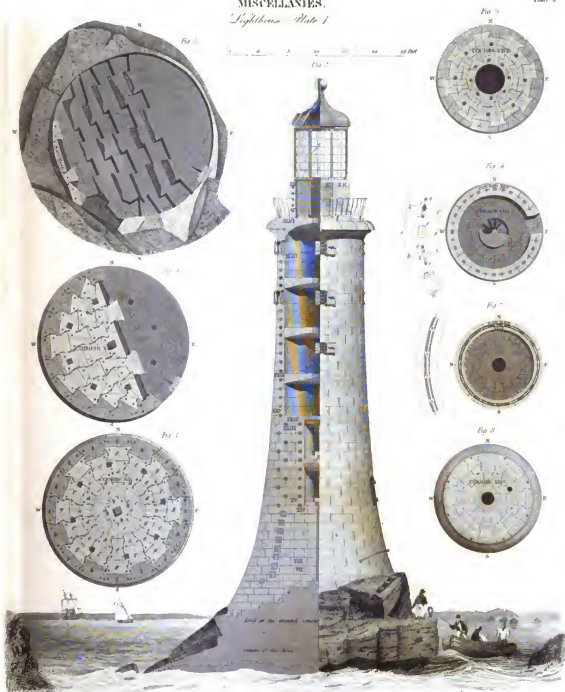


Fig 14



MISCELLANIES.
Lighthouses Plate 1

Plate 5



Semi Elevation of the Eddystone Light House, from the South, & also Semi Section of the same from East to West.

EXPLANATION OF THE PLATES OF HIEROGLYPHICS.

by Smê, (Nemesia.) 88. Sokari, (nûte,) Usire, (nûte,) r (for ref) (nûte) (nûb) Shenté (tâi) mai, Beloved by Socharis-Osiris, the great God, Lord of Shenti, (a town in Egypt.) 89. Hôr réf * si Usire mai, Beloved by the great Horus, son of Osiris. 90. Si-f mai-f, his son who loves him. 91. Tsi-f mai-f, his daughter who loves him. 92. Si-a mai-a, her son who loves her. 93. Tsi-a mai-a, her daughter who loves her. 94. Rêsi, Child of the Sun. 95. The same with the generic character for "son." 96. Nêb, Lord; also the letter N. 97. T-nêb, lady, mistress. 98. Nêb-thn, Lord of the World. 99. Lord of the three Zones (of the world.) 100. The same more fully expressed. 101. Nêb ñ okahi, Lord of the Eight Regions, peculiar title of Thoth. (Hermes.) 102. (Thôût) nêb ñ ukahi mai, beloved by Thôût, Lord of the Eight Regions, or of Sbmân, (i.e. eight) Oshmânin, or Hermopolis. 103. Nêb-pe, Lord of Heaven. 104. Tneb-pe, Lady of Heaven. 105. Niben, all. 106. Nibut, all. 107. Neb-anenûte, Lord of Gods. 108. Neb-annetophre, Lord of benevolences; EYXAPICTOZ in the Rosetta Inscription. 109. Nûte nûbi, every God. 110. Tûte nûbi, every Goddess. 111. Neote nûbi, all Gods. 112. Neb petpe, Lord of the Heavenly Region, Supreme Lord. 113. Neb-êi, master of the house. 114. Tneb-êi, mistress of the house. 115. Mere, mer, merer, to love, cherish. 116. Mere-f, loving, or loved by him. 117. Mere-a, loving, or loved by her. 118. Tue-f Sou (nûte) tuf Taine t (nûte) merer, beloved by his father Hercules; by his mother Tainé. 119. Nûte, nofré, good, benefit. 120. Nûte nofré, Good God. 121, 122, 123. Rêf, great. 124-126. Puf, pphî, tuf, tphi, a title given to Gods and Goddesses in sepulchral MSS., probably an abbreviation, and perhaps signifying "preserver." 127. Sme, a word or phrase added to the names of the deceased, probably signifying "justified," "proved to be true and just."

ii. Proper Names of Kings and Emperors.

128. Sovereign of an obedient people, (Sun, Lord of Truth and Justice;) Son of the Sun, (Amenothph.) The name and distinctive title of Amenophis, or Memnon, eighth King of the 18th dynasty, according to the Canon of Manetho. The figures above these scrolls must be considered as repeated over every pair of scrolls (called Cartouches by M. Champollion) below. 129. Sun, guardian of Truth, approved by Phrê; Amûn-mai Ramesses, the first King of the 19th dynasty, called Ramesses, Sethos, and Sesostris by the Greeks. 130. Sun of the Superior Region and of the World, approved by Phrê, Amûn mai, Sheshonk; the first King of the 22d dynasty, called Sesonchis by the Greeks, and Shishak in the Hebrew Scriptures. 131. The Sun adored by the World, Osorthonon; Osorthon, second King of the 23d dynasty. 132. The Sun, calm and beneficent, Psammetich; Psammetichus I., fourth King of the 26th

dynasty. 133. (Khshensha) Iranî, * Khshenshash, (Xerxes; Shêr-skâh in modern Persian.) in the arrow-headed Persepolitan characters. Both these names are on the same vase in the King of France's collection; and the value of the Persepolitan, or ancient Persian characters had been determined by M. St. Martin from other data before the Hieroglyphic scroll was examined. The ancient Persians wrote, like the Hindûs, from left to right.

134. Beloved by Ammon, cherished by Ré Philip-pus, i. e. Philip Aridæus, brother of Alexander the Great. 135. Beloved by Amûn-Rê, approved by Phrê Aleksantos. (Alexander the Great.) 136. The Gods Saviors, approved by Ammon and Isis, possessing divine life, Ptolemæus, beloved by Phthah, i. e. Ptolemy Soter I. 137. Bernûkê, i. e. Berenice, his Queen. 138. Cleopatra.

139. The Sovereign of the World, (approved by the Gods, benefactors of the world, beloved by Phthah and Osiris.) Son of Phrê, (Autocrat Nero.) the Emperor Nero, (from Denderah.) 140. (Vespasianus, God on earth,) from the Pamphilian Obelisk at Rome. 141. (Titus, God on earth,) from the same. 142. Sabins, (nûte,) Goddess. 143. Sebaste, (nûte) i. e. Augusta, (Goddess,) everliving.

PLATE IV.

The Egyptian names of months, and numerals in the Hieroglyphic, Hieratic, and Demotic characters. The Egyptians, as we learn from Diodorus Siculus, (i. 16. 26.) Plutarch, (*Vita Numa*, c. 18.) and Censorinus, (*De Die Natali*, c. 15.) divided the year into three seasons, and accordingly we find the Hieroglyphic signs of their months evidencing the same fact. The crescent bent downwards, signifying a complete month, (Horapollo, *Hierogl.* i. 4.) is placed over, or beside, the Hieroglyphic for each of the three seasons, accompanied by a numeral, marking which of the four months is intended. A garden, or plantation, shows that the first season was anciently, as now, the germinating period; the name of the second is probably symbolic, and has a relation to heat and drought; the third is marked by the inundation, which seems to be expressed by the cistern and stream of water forming its Hieroglyphic. The crescents are sometimes repeated to supply the place of numerals; and the Hieratic and Demotic characters may be, in part at least, traced to the corresponding Hieroglyphics, being formed on exactly the same principle. A peculiar class of numerals is used to express the number of days, but all may be traced to the Hieroglyphic forms, the simplicity of which is very remarkable.

* This might signify Iranian, i. e. Persian; but the bird appears to stand for P. The meaning of this word is therefore still undetermined.

* The symbol, or Phœnic character, here supposed to be R, is borrowed by M. Champollion.

EXPLANATION OF THE PLATES OF HIEROGLYPHICS.

Miscellaneous, PLATES 43, 44, 45, 46.

PLATE I.

The Hieroglyphic Alphabets, containing in the horizontal line at the head of each Division, the Hebrew, Greek, Coptic, and Roman characters, corresponding with the finished and linear Hieroglyphics, the Hieratic and Demotic characters, placed below in parallel columns, and in that order.

PLATE II.

i. Figures of Gods.

1. Ammon-rê, (Jupiter.) 2. Cnuphis. 3. Rê, or with the article, Phrê, (the Sun.) 4. Phtha, (Vulcan.) 5. Phtha Sokari. 6. Sou, (Hercules.) 7. Tafe, or Tufet. 8. Nafpe (Rhea.) 9. Osiris. 10. Isis. 11. Horus. 12. Horus as Arsêsis, (i. e. Horus, son of Isis.) 13. Anubis. 14. Smê. 15. Thoth, (Hermes.) 16. Atmô, (a form of Ammon.) 17. Bennô. 18. Sevek, (Suchis.) 19. Neith, (Minerva.) 20. Khons, (Lunos.) 21. Nephthys. These figures are often added to the name expressed by Phonetic characters, in order to prevent mistakes.

ii. Symbols of Gods.

22. Ammon. 23. Cnuphis. 24. Phrê, (the Sun.) 25. Rê, (nûte, i. e. God;) the name is here Phonetic, the epithet Symbolic. 26. Phrê, or Rê. 27. Phthah-Sokari, or Osiri Sokari, a Nilometer with the generic sign for "God." 28. Phthah-Sokari. 29. Osiris, as Sovereign of Amethes, the abode of departed spirits, an eye and throne with the generic sign "God." 30. Osiris, a lion-shaped throne below the eye without the generic term. 31. Isis; a throne, the symbols of the feminine gender and the generic sign "Goddess." 32. Isis, abbreviated as in Nos. 30, 33, 34, 35. Horns (Hâr, Har, and Ar in Egyptian.) 36. A hawk wearing the pschent, or tiara; Horus as Harisiesis, (i. e. Horus, son of Isis.) 37. A jackall on an altar, Anubis. 38. A water bird, Bennô. 39. Apis. 40. A hawk in a house, Hathor, or Athyr; Venus. 41. A sacred cow, Hathor. 42. "The Lady of the House," Nephthys, sister of Isis and Osiris. 43. The inner pschent and scourge (ensigns of sovereignty over the superior regions) on a signal-post; symbolic name of a God unknown. 44. The hind-quarter of a lion similarly placed; Heki, the boatman of Phrê. 45. The letter S similarly placed, with a hawk, or the generic sign for "God;" Horus Genitor. 46. Neith, (Minerva.) 47. Bubastis. 48. An ibis on a signal-post; Thôth, or Hermes demigustus, twice great; the second Hermes, or human intellect personified.

iii. Symbolic and Phonetic Groups.

49. S, (for sâten,) eye and throne (Usire,) i. e. King Osiris, or Osirian King, the title of deceased sove-

reigns. 50. St, (sâten,) "a bee," with t the feminine article; i. e. King of the obedient people. (Hiorpollo, *Hierogl.* i. 62.) 51. The *crux anasta*, handled cross, probably a key, signifying *anâh*, life, particularly divine life. (Socrates, *Hist. Eccl.* v. 17. Suidas, in voce *Ζωοποιός*.) It also is one of the signs of the letter O. 52. Shie, a weight or counterpoise. 53. Mûts, a panegyric, fair, wake, festival, or public assembly. 54. Shnûi, an altar. 55. Mshir, a spoon or ladle for offerings, incense, &c. 56. A pot of flowers. 57. Ûab, purification, sanctification, consecration, lustration. 58. Thigh of a victim; sacrifice. 59. A suppliant beneath a vessel from which a libation is poured, (i. e. a priest,) before an altar on which incense is burning, in express adoration, worship. 60. To offer up, an offering. 61. Libation, drink-offering. 62. Incense-offering. 63. "Sahh," to write, writing. 64. A palette, or tablet, inkstand, and reed, to express *s'hai*, write, writing, letter, &c. 65. A grave-stone or monument. 66. To or tho, the world, universe, both Phœtie and Symbolic; for the figure is a section of a flat roof, the Egyptian symbol of the heavens, and when sprinkled with stars, as in 67, signifies *pe* or *phe*, "the heaven;" the figure like an H is its Hieratic representative. 68. *Pene*, *phêti*, "heavens," plural of *tha* above. 69. T-pe, or t-phe, "the heaven," (a symbol.) 70. The outer pschent over a wheel, to denote the inferior regions. A wheel is the symbol of "region, country, land," &c.; the inner pschent denotes sovereignty over the upper, the outer over the lower regions. 71. Sû, sâi, "star," stars, the three below the last figure signifies the plural. 72. Neb, or nûb, the water or inundation of the Nile. (Hiorpollo, *Hierogl.* i. 21.) 73. Dedication? 74. Bari, bark, boat, ship. (Hieratic.) 75. Ûêb, Ûab, "a purified suppliant," "a priest." 76. Edifices, habitations. 77. A King, or Chief, standing in a house with a standard signifying "God" beside it, to express "an edifice, both a Temple and Palace." 78. A shrine, or Monolithic chapel, with or without the generic and Phonetic sign t-cl, "dwelling." 79. Chapel, or shrine, containing a generic sign for "God." 80. Stn, (sâten,) i. e. King, (Phœtie.)

PLATE III.

i. Titles and Proper Names.

82. Amn-Rê stn (annenûte)* mâi, Beloved by Ammon Rê, King of the Gods. 83. Ammon Rê, (neb) f kto-mai, Beloved by Ammon-Rê, Lord of the three Zones. 84. Amûp-Rê (nûte) (neb) f kto-(neb) petpe mai, Beloved by the God Ammon Rê, Lord of the three Zones, Supreme Lord. 85. (Hathôr) mai, Beloved by Athyr. 86. Beloved by the powerful Aroëris, (Horus, or Apollu.) 87. (Smê) mai, Beloved

* The words in a parenthesis are here and elsewhere such as are expressed by symbols.

Seasons	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Names of Months	Thoth	Phaophi	Atyeh	Chesac	Tybi	Mecheir	Bementuth	Parrunuth	Pachon	Payni	Epiphi	Mesori
Hierog.												
Hierat.	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ
Demot.	Ⲛⲓⲓ	Ⲛⲓⲓ	Ⲛⲓⲓ	Ⲛⲓⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ	Ⲛⲓ

NUMERALS.

Common Numbers.

Numbers of Days

Hieroglyphic			Hieratic			Demotic			Hieratic			Demotic		
1	I.	30	ⲙⲙⲙⲙ	1. 1. 3. 4.	400	—	1	1. 2.	1	1.	1.	1	1.	1.
2	II.	40	ⲙⲙⲙⲙⲙ	2	4. 5.	200	—	2	2. 2.	2	2.	2	2.	2.
3	III.	50	ⲙⲙⲙⲙⲙⲙ	3	ⲙⲙⲙⲙⲙ	300	—	3	3. 3.	3	3.	3	3.	3.
4	IIII. 4	60	ⲙⲙⲙⲙⲙⲙⲙ	4	ⲙⲙⲙⲙⲙⲙ	400	—	4	4. 4.	4	4.	4	4.	4.
5	IIIII.	60	ⲙⲙⲙⲙⲙ	5	5. 6. 7.	500	—	5	5. 5.	5	5.	5	5.	5.
6	III III.	70	ⲙⲙⲙⲙⲙ	6	6. 7. 8.	600	—	6	6. 6.	6	6.	6	6.	6.
7	IIII III.	80	ⲙⲙⲙⲙⲙ	7	7. 8. 9.	700	—	7	7. 7.	7	7.	7	7.	7.
8	IIII IIII.	90	ⲙⲙⲙⲙⲙ	8	8. 9. 10.	800	—	8	8. 8.	8	8.	8	8.	8.
9	IIII IIII.	100	ⲙⲙⲙⲙⲙ	9	9. 10. 11.	900	—	9	9. 9.	9	9.	9	9.	9.
10	ⲙ. 10.	100	9.	10	12. 13. 14.	1000	—	10	10. 10.	10	10.	10	10.	10.
11	ⲙ. 11.	200	99.	11	15. 16. 17.	1100	—	11	11. 11.	11	11.	11	11.	11.
12	ⲙⲙ.	300	999.	12	18. 19. 20.	1200	—	12	12. 12.	12	12.	12	12.	12.
13	ⲙⲙⲙ.	400	9999.	13	21. 22. 23.	1300	—	13	13. 13.	13	13.	13	13.	13.
14	ⲙⲙⲙⲙ.	500	99999.	14	24. 25. 26.	1400	—	14	14. 14.	14	14.	14	14.	14.
15	ⲙⲙⲙⲙⲙ.	600	999999.	15	27. 28. 29.	1500	—	15	15. 15.	15	15.	15	15.	15.
16	ⲙⲙⲙⲙⲙⲙ.	700	9999999.	16	30. 31. 32.	1600	—	16	16. 16.	16	16.	16	16.	16.
17	ⲙⲙⲙⲙⲙⲙⲙ.	800	99999999.	17	33. 34. 35.	1700	—	17	17. 17.	17	17.	17	17.	17.
18	ⲙⲙⲙⲙⲙⲙⲙⲙ.	900	999999999.	18	36. 37. 38.	1800	—	18	18. 18.	18	18.	18	18.	18.
19	ⲙⲙⲙⲙⲙⲙⲙⲙⲙ.	1000	9999999999.	19	39. 40. 41.	1900	—	19	19. 19.	19	19.	19	19.	19.
20	ⲙⲙⲙⲙⲙⲙⲙⲙⲙⲙ.	1000	99999999999.	20	42. 43. 44.	2000	—	20	20. 20.	20	20.	20	20.	20.
21	ⲙⲙⲙⲙⲙⲙⲙⲙⲙⲙⲙ.	1000	999999999999.	21	45. 46. 47.	2100	—	21	21. 21.	21	21.	21	21.	21.
22	ⲙⲙⲙⲙⲙⲙⲙⲙⲙⲙⲙⲙ.	1000	9999999999999.	22	48. 49. 50.	2200	—	22	22. 22.	22	22.	22	22.	22.

J. M. L. 1870.



J. W. Lloyd, Esq.

Groups Symbolic & Phonetic.		Symbols of Gods.		Figures of Gods.	
401		361		21	
402		362		22	
403		363		23	
404		364		24	
405		365		25	
406		366		26	
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440		400		60	

1. HIERATIC & DEMOTIC ALPHABET.

J. W. Langley, Author

Σ.Α.Ε.Ο.				η.Ζ.Η.			



- 1. *Book of Optimum Governance*
- 2. *Idrisian*
- 3. *Temple of Intimations & Functions*
- 4. *Temple of Revival*
- 5. *Temple of Peace*

- 4. 1st Prunus
- 5. Temple of Venus & Rome
- 6. Mithras, Sol Invictus
- 7. Arch of Constantine
- 8. Arch of Titus

- 12. *Temple of Agriculture*
- 13. *Temple of Liberty*
- 14. *Temple of Justice*
- 15. *Temple of Peace*
- 16. *Temple of Science*
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- 227. *Temple of Art*
- 228. *Temple of Music*
- 229. *Temple of Poetry*
- 230. *Temple of Religion*
- 231. *Temple of Philosophy*

16 Temple of Fortune
 17 Temple of Asius Etruria
 18 Pillar of Phoebe
 19 Temple of Concord
 20 Site of Forum of Julius Caesar

20. *Site of Burial of Augustus*
21. *Site of Burial of Tiberius*
22. *Site of Burial of Nero*

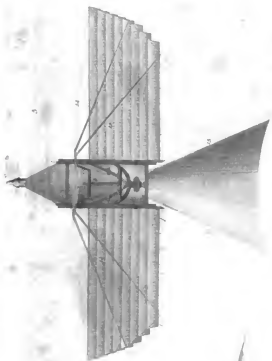
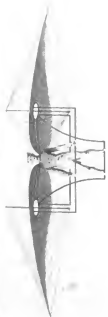
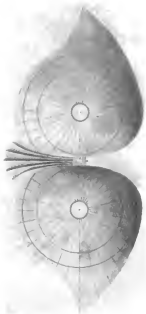
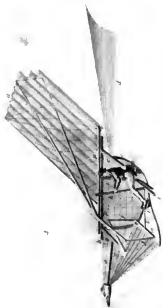


Fig. 1

Figure 100





Longitude East of Greenwich









E IN TWELVE PARTS 1710

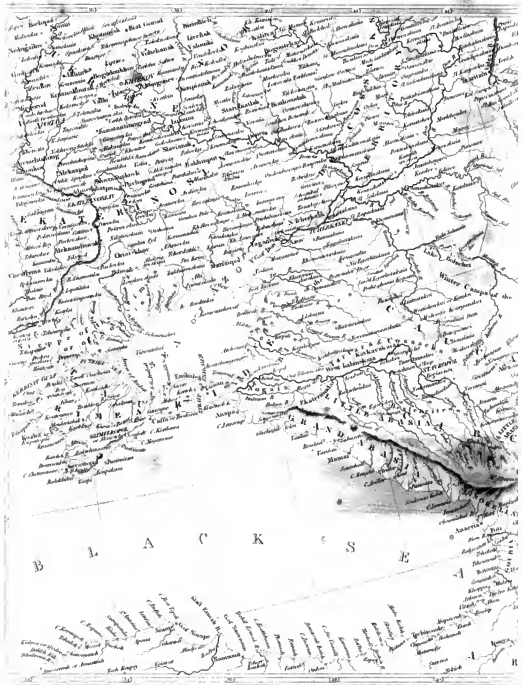


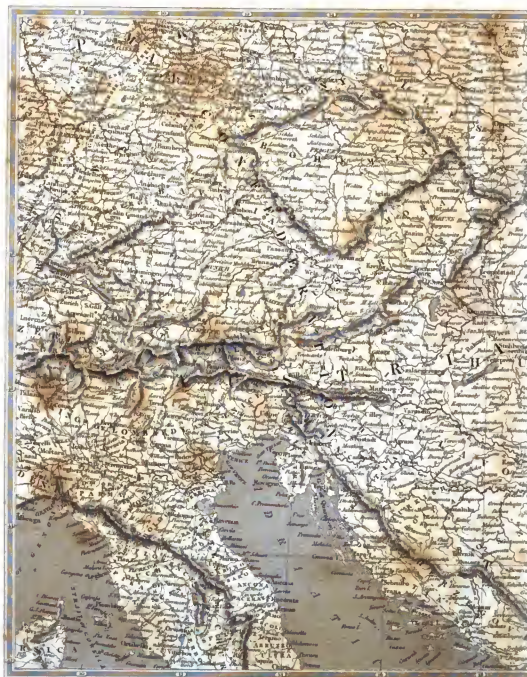
Longitude West of Greenwich

BRITISH

Atlas

Digitized by Google

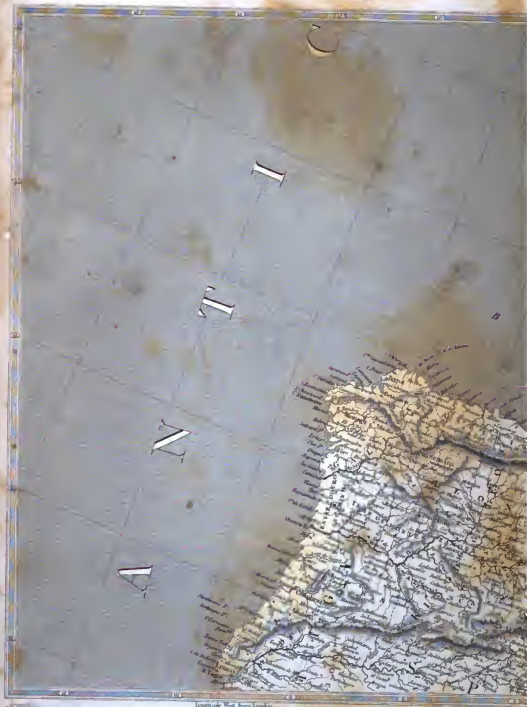




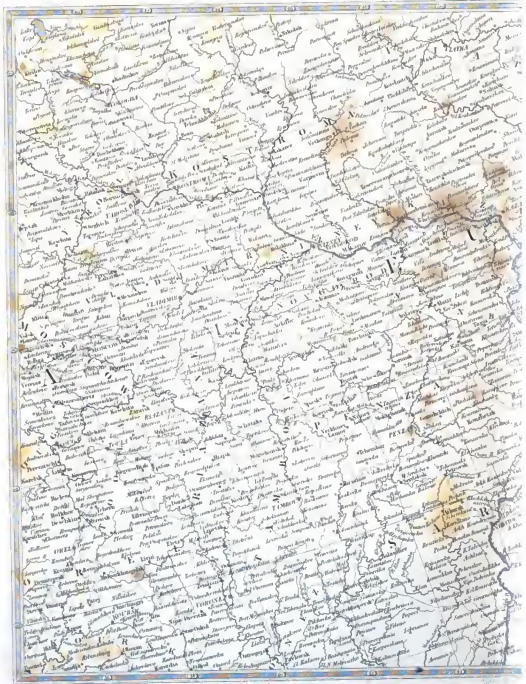
Longitude East of Greenwich

EUROPE





Longitude West from London.



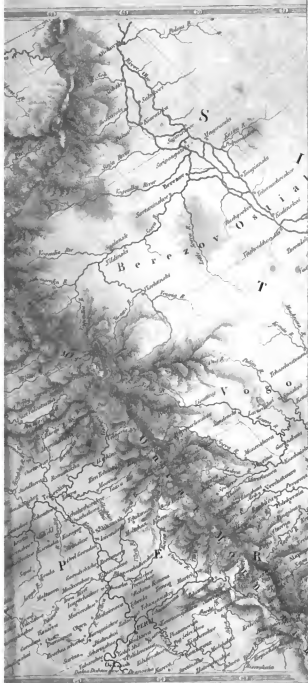
Longitude East of Greenwich













Longitude from Greenwich

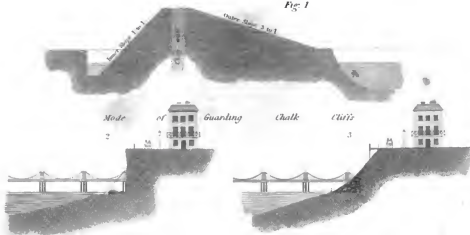


N. TWENTY-SEVEN. 1816.



Embankment

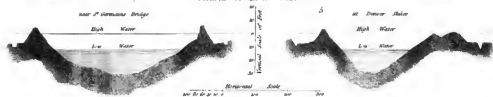
Fig. 1



Embankment with Foreland 4



Sections of River Ouse



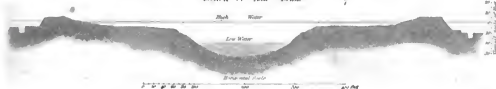
Section of Lynn Harbour

6

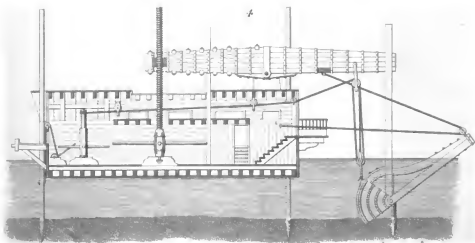


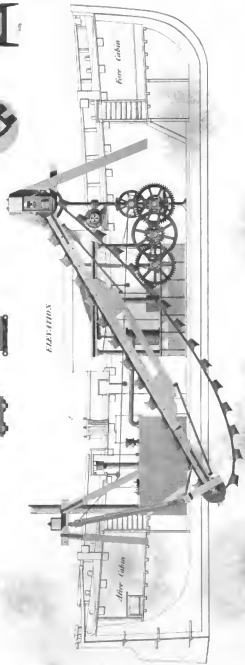
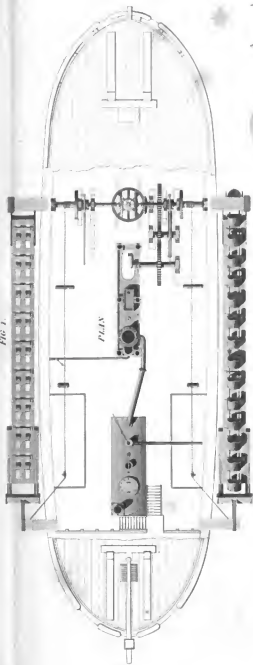
Section of Eau Brink

7



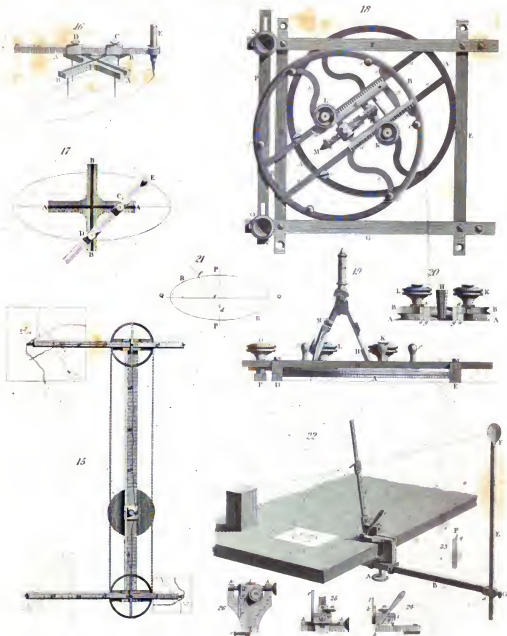
Dredging





MISCELLANIES.
Drawing Instruments

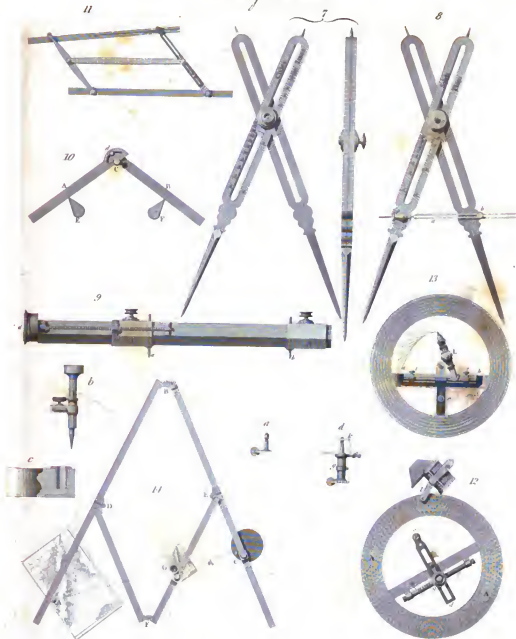
Plate 37



MISCELLANIES.

Drawing Instruments

Plate 36

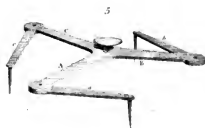
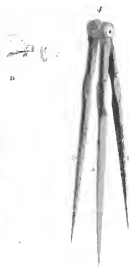
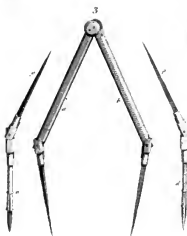
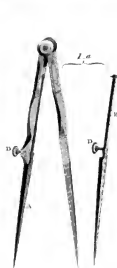
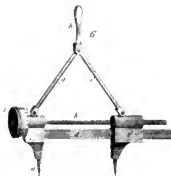


James Smith

Published as the two sheets, August 1, 1861, by J. H. Smith, London, Street

MISCELLANIES.
Drawing Instruments.

Plate 35

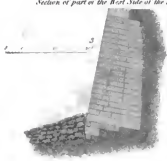


J. H. Lawrence engr.

Sections of Princess Dock, Liverpool.

Seven

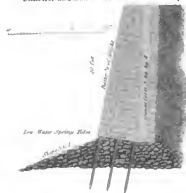
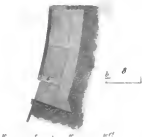
Section of part of the West Side of the Princess Dock.



Section of the Quay Wall of the London Docks.

Section of the Parade Wall next the River Mersey at Liverpool.

Section of a Quay Wall.



Entrance Lock to Princess Dock at Liverpool by Mr. Rennie



Transverse Section at Entrance Gate.



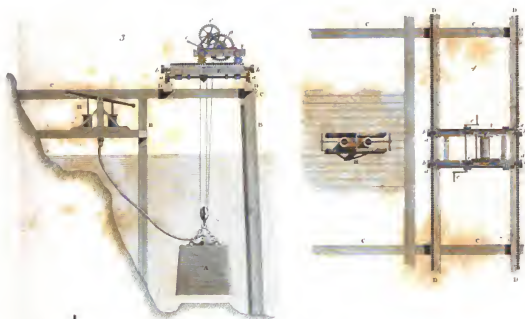


Fig. 1.



MISCELLANIES.
(Dialling)

Plate 32

Fig. 1

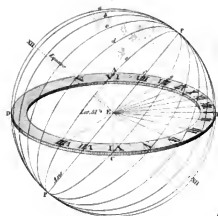


Fig. 2

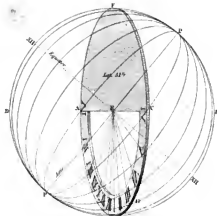


Fig. 3



Fig. 3



Fig. 5

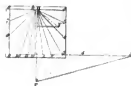


Fig. 6

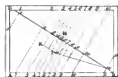


Fig. 7

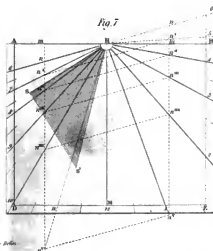
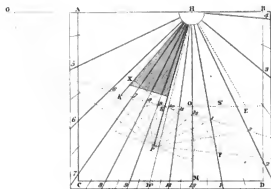


Fig. 8



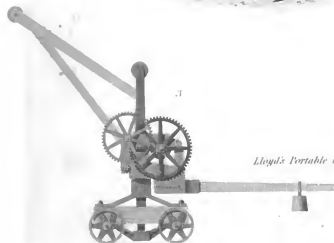
MISCELLANIES
Crane

Plate 31.

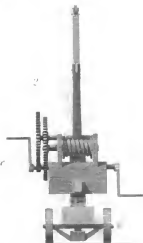
Crane for an Iron Foundry



Portable Crane



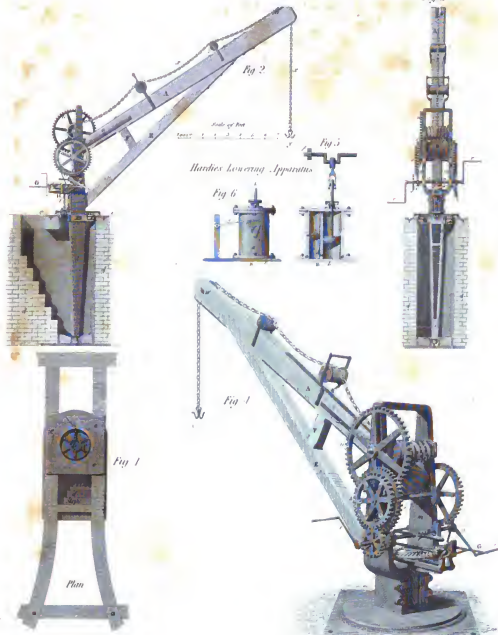
Lloyd's Portable Crane



MISCELLANIES

Crane (Hoyds)

Plate 30



Designed by J. J. Lavery

Published as the Art Director's No. 1715 by J. Newman, London 1875

Designed by J. J. Lavery

27. 28

Circus



Decor

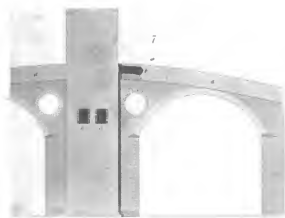


Title of the Cross.



MISCELLANIES.
Chimney.

Plate 27

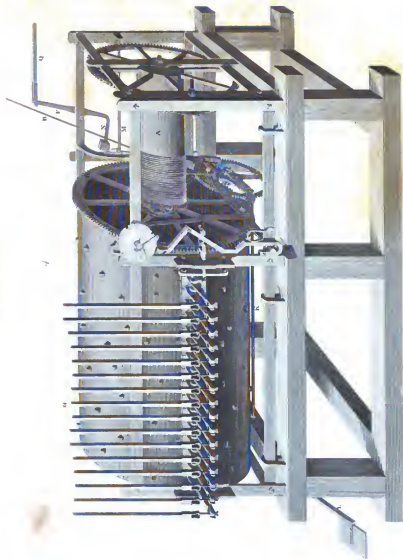


MISCELLANIES.
Chimes of Clocks.



MISCELLANIES.
Chimes of Clocks.

Plate 25.

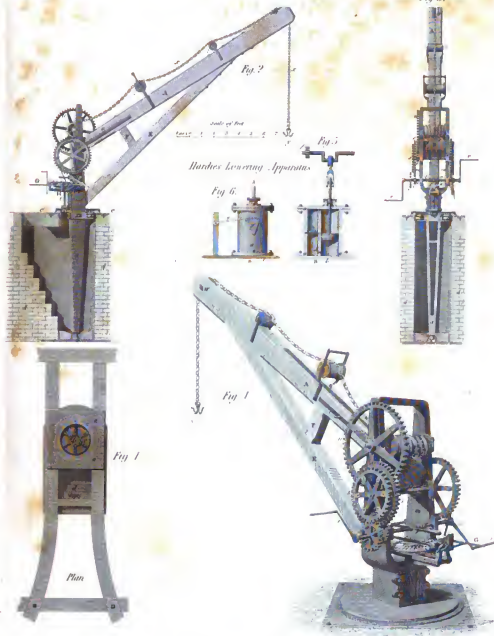


Published as the property of the Society of Mechanical Engineers.

MISCELLANIES

Crane (Hydraulic)

Plate 36



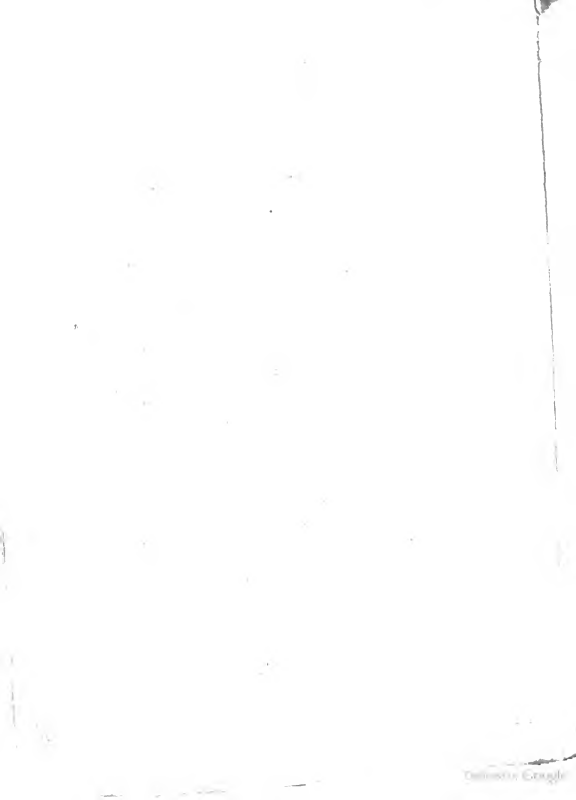
Circles



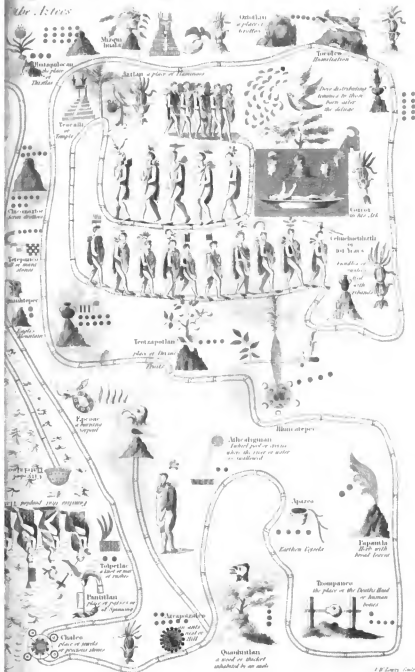
Decor



Title of the Cross



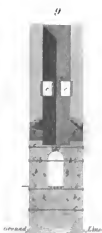
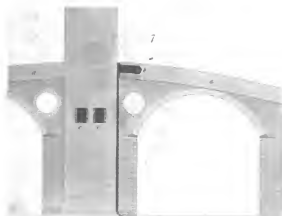
the Aztecs



J. B. Lewis, 1892

MISCELLANIES.
Chemistry.

Plate 27



Printed by J. W. Lacey, 1851

Published as the Act directs, Jan. 1851, by J. W. Lacey, 1851

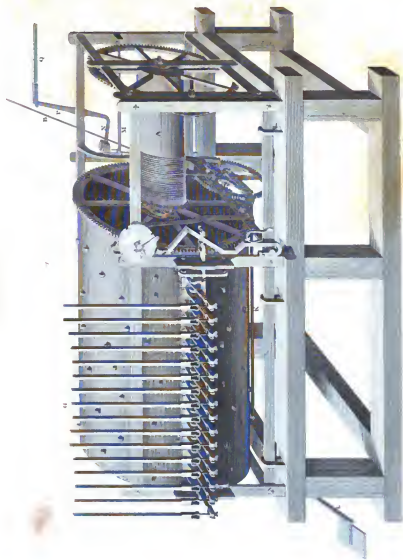
J. W. Lacey, 1851
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MISCELLANIES.
Chimes of Clocks.



MISCELLANIES.
Times of Clocks.

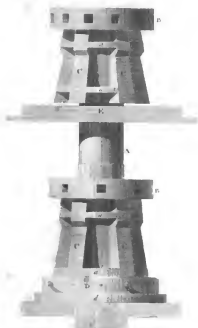
Plate 25.



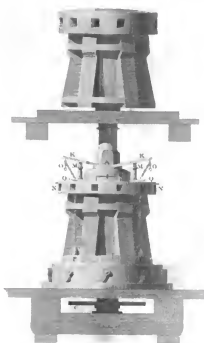
Published under the direction of the Society of Mechanical Engineers.

Capstans.

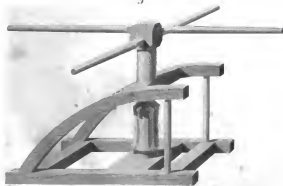
Fig. 1.



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MISCELLANIES.



Fig. 1.

Blank (white)

Table 5 (continued)

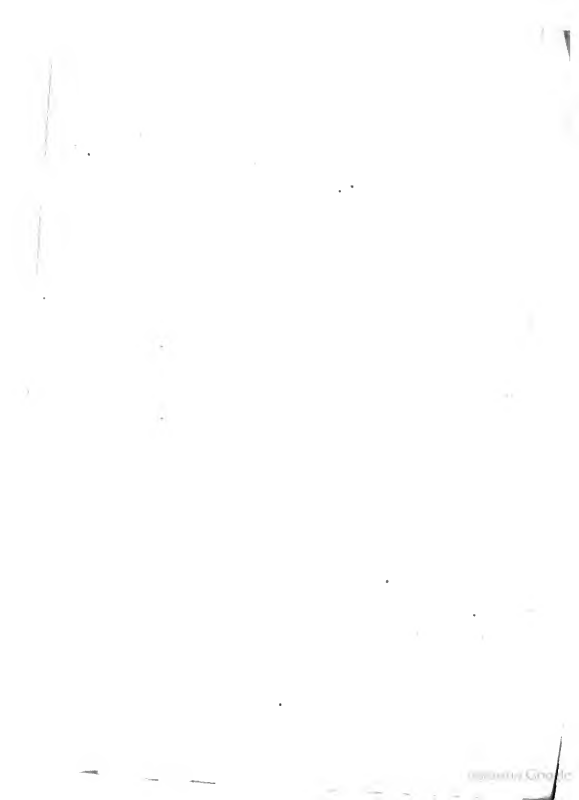
Christoph

9

planning

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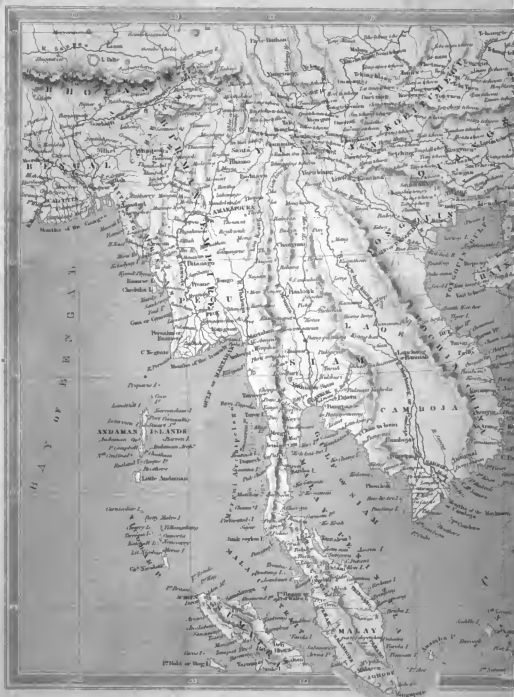
Added to the 44 above 440, 441, 442. Same as 440 group





Published with the permission of the U.S. Navy, Hydrographic Office, Washington, D.C.

Scale of Nautical Miles

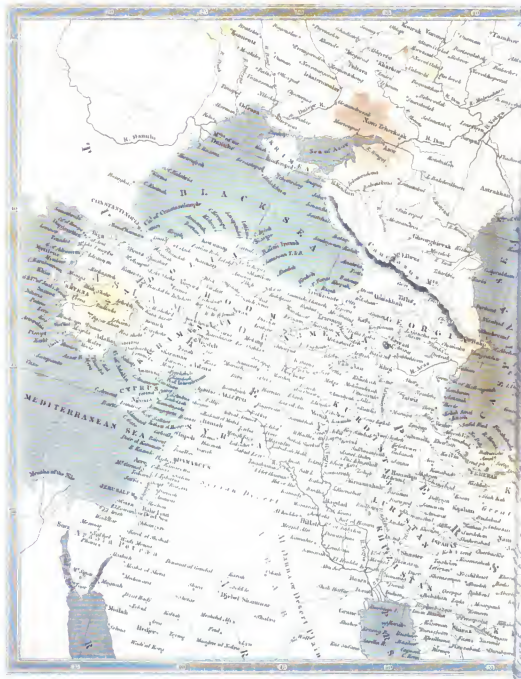




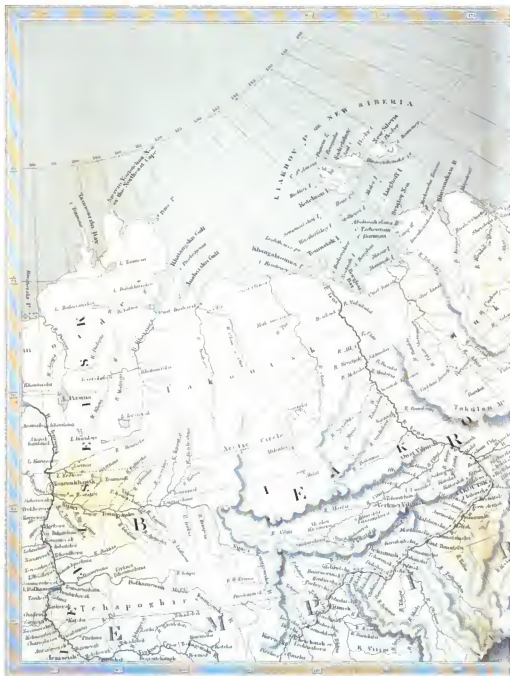


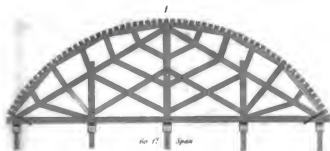




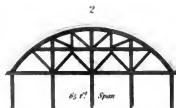




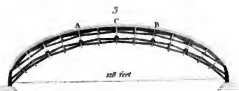




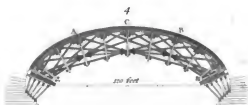
Centre of Coldstream Bridge by Smeaton



Centre of Conon Bridge by M. Telford



Centre of the Bridge of Neuilly by Perronet



Centre of Waterloo Bridge by M. Rennie

Screw Wedges for Lowering



the Centre, on a large scale



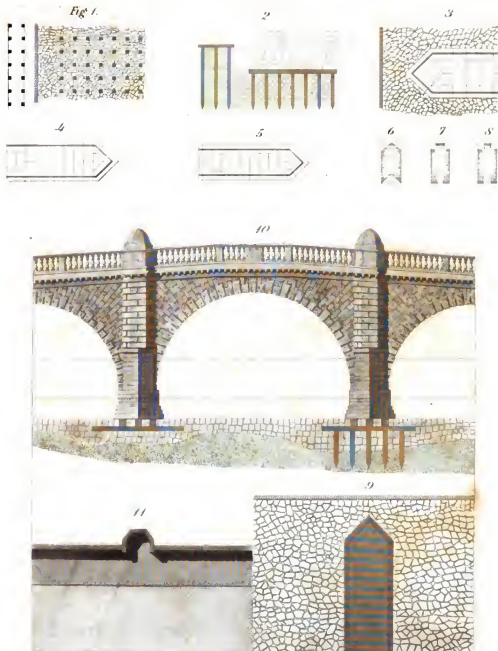
Centre by M. Treadgold



Design for a Centre for the large Arch of London Bridge by M. Elmor

BRIDGE.

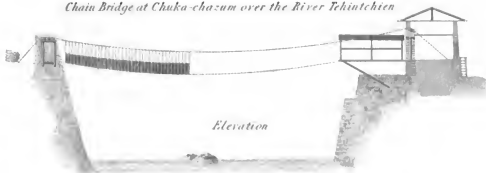
Plate 8.



BRIDGE

Plate 6

Chain Bridge at Chuka-chazum over the River Tehintchien



Elevation



Plan



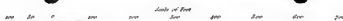
Sections



Chain Bridge over the Strait of Menai, at Anglesea, by Mr. Telford



Plan





Scale of Feet — 0 10 20 30 40 50



BRIDGE.

Arches in the Great Pyramid of Memphis

Plate 5



*The Pont of Pryd
over the Taf in Glamorganshire*



The Rustle

BRIDGE.

The Pont du Gard
seen from the side opposite the modern bridge

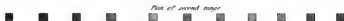
Plate 2.



Scale of 100 50 25 10 5 Feet



Plan of upper range



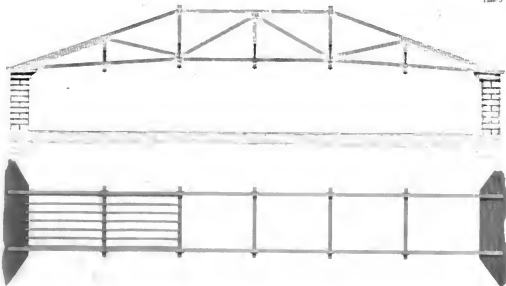
Plan of second range

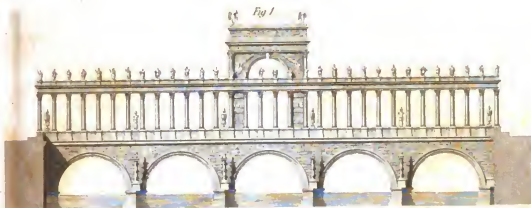


Plan of the modern bridge at the back of lower range

Palladio's Bridge over the Cismone

Plate 5





Triumphal Bridge at Rome.

as reflected by Demand



Senatorial Bridge at Rome:

as revised by Diamond



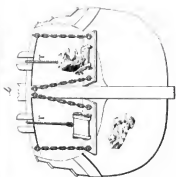
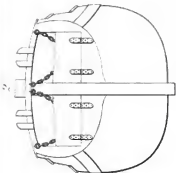
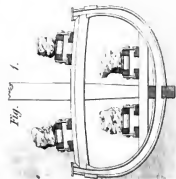
Triumphal Bridge of Augustus at Rimini

as restored in Tenonius.

3



Fig. 1.

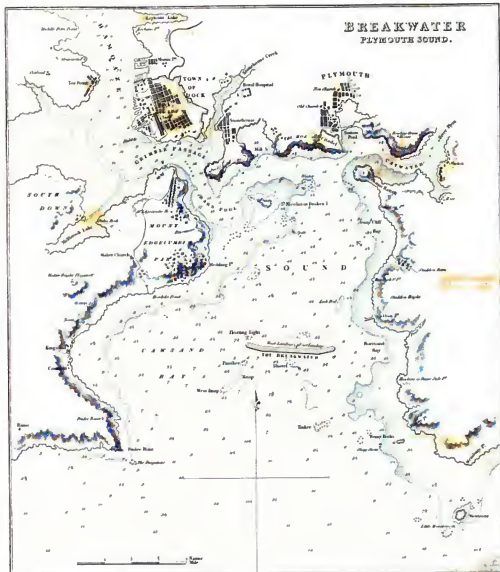


referred to as Fig. 1 Plate 19

Inside towards Plymouth
landing



BREAKWATER PLYMOUTH SOUND.

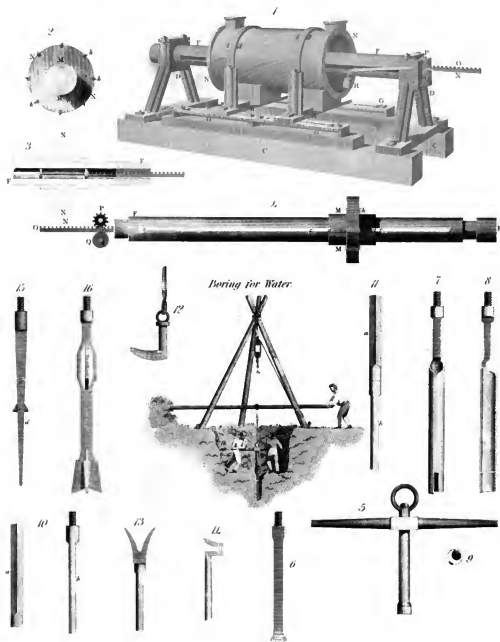


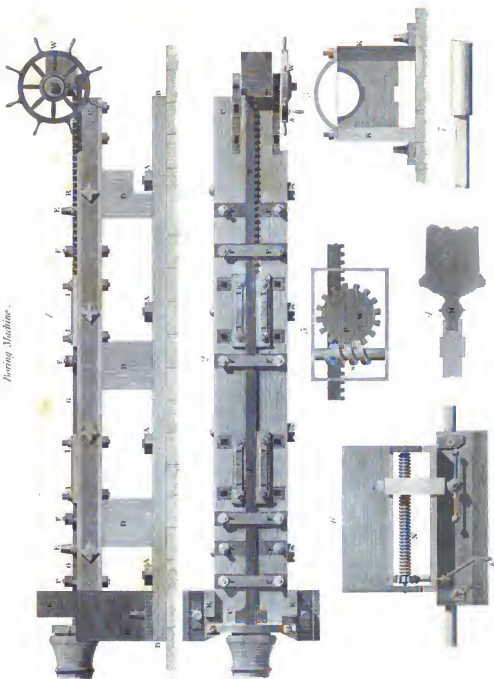
TRANSVERSE SECTION OF THE BREAKWATER.



MISCELLANIES.
Machine for Boring Cylinders.

Plate 10.





1400. Poring Machine.

Published as the 1st edition, Jan'y 1871, by J. Mendenhall, Engineer.

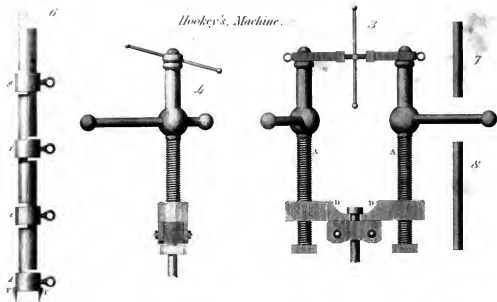
1871, Jan'y 1871.

MISCELLANIES.

Plate 16.

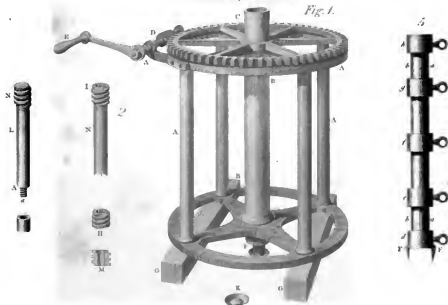
Bolt Drawing and Driving.

Hooker's Machine.



Bolton's Machine.

Fig. 1.



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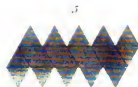
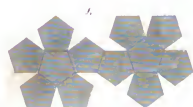
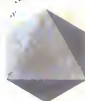
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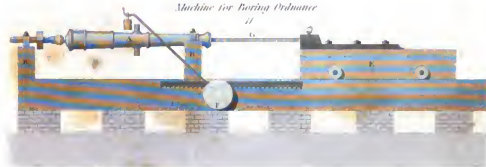
14

MISCELLANIES.
Body and Boring.

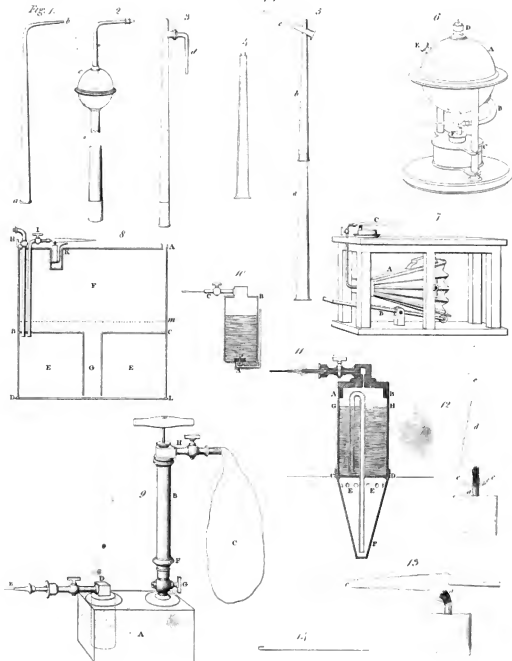
Plate 15.



Machine for Boring Ordnance
11



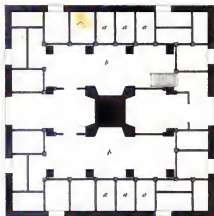
Blow pipe.



Block house.



Fig. 1.



Blocks.

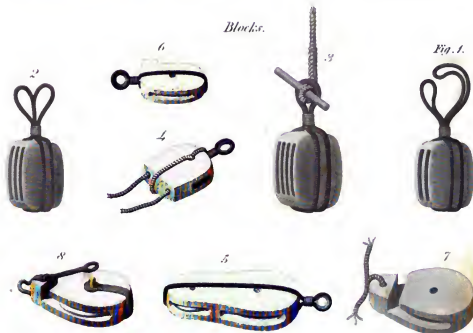
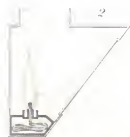
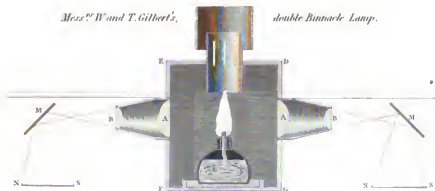


Fig. 1.

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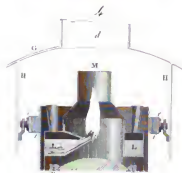
Mess^{rs} W and T. Gilbert's,

double Binnacle Lamp.

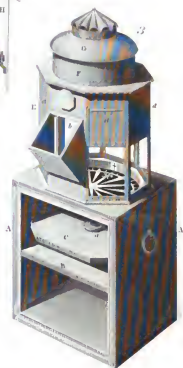


*Binnacle,
used in the Royal Navy*

Fig. 1.



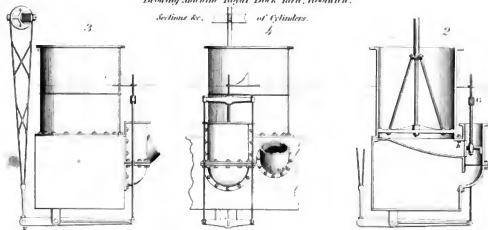
Presdon's Binnacle.



Be Hlows.

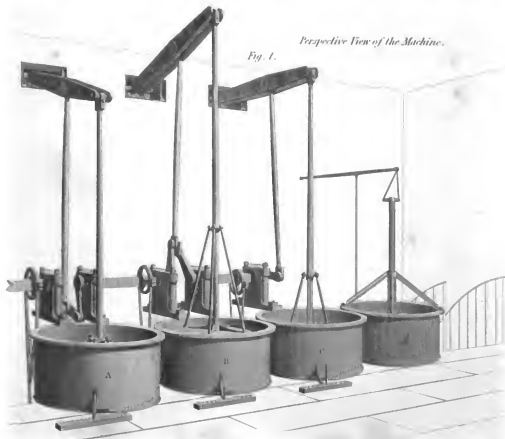
Blowing Machine Royal Dock Yard, Woolwich.

Section &c. of Cylinders.



Perspective View of the Machine.

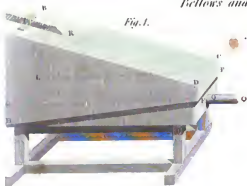
Fig. 1.



MISCELLANIES.
Bellows and Blowing Machines.

Plate 12

Fig. 1.



3



Basalt.

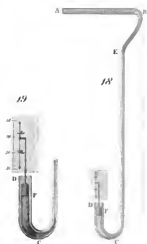
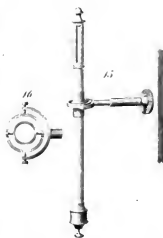


Designed by W. Henry

RINGAL'S CAVE IN THE ISLAND OF STAGETA.

London: Published in the 'Ed. de la Revue' 1851, by J. H. de la Revue, London Street.

Fig. 10.



Ballance and Barometer.

Fig. 6.



Fig. 3.



Fig. 7.

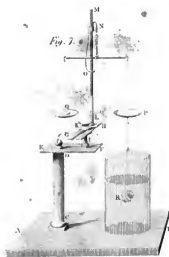


Fig. 4.

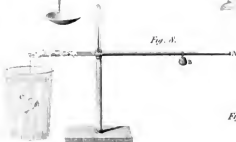


Fig. 10.



Fig. 1.

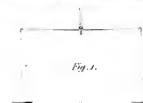


Fig. 9.

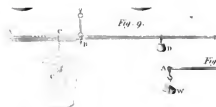


Fig. 5.



Barometer.

Fig. 3.



Fig. 2.



Fig. 1.



Fig. 4.



Fig. 5.

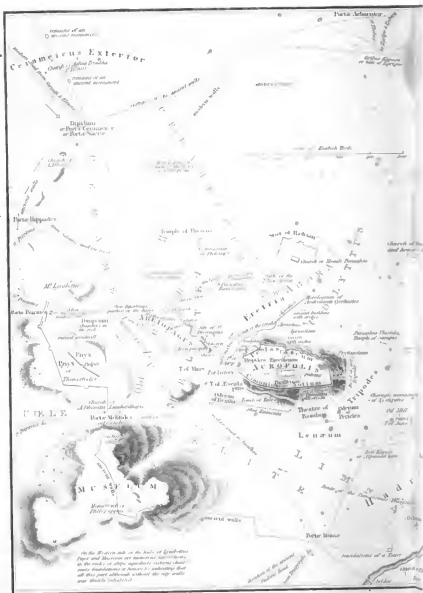


Fig. 6.



Fig. 7.





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Map of Central

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AMERICA

in

Eight Sheets,

Shewing the

LATEST DISCOVERIES.

Publisher

Wm. H. & Co. New York



EQUATOR OR EQUINOX JUL 11 P.

Pointe Canale

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PRIORITY: [illegible]



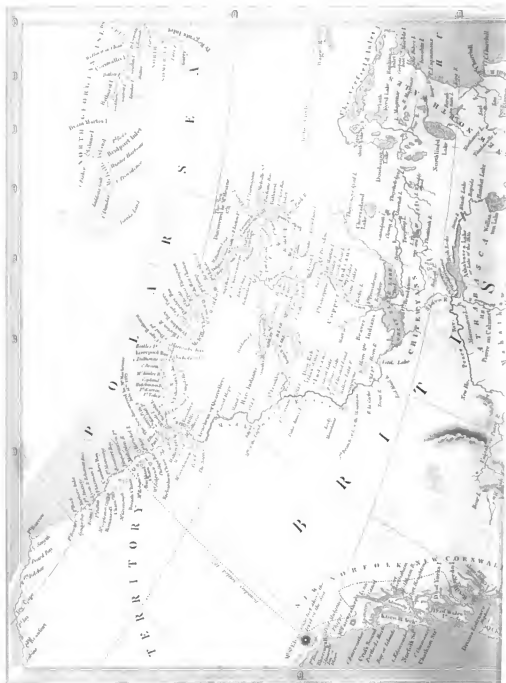
AMERICA
Bona Parva - ANTILLAS
et ad Oceanum

Tempus et Locum









S O U T H E R N

• **Non-continuous** 2

A T h A N T l (Friedl. & Sch.)

OF THE
January 1st 1860
1860

Tropic of Capricorn

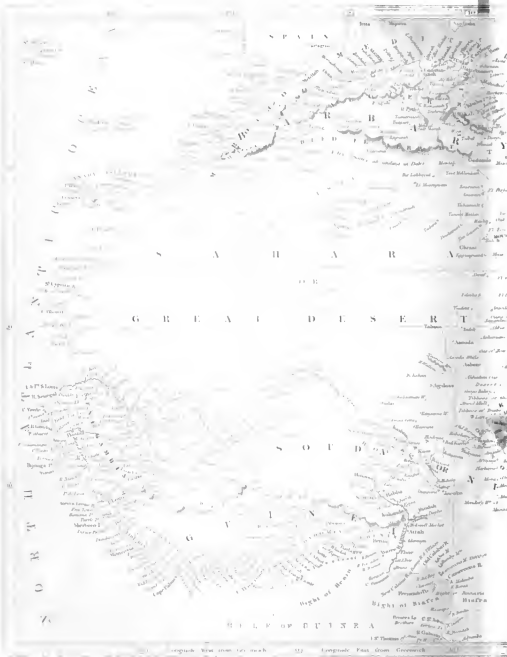
O C K A



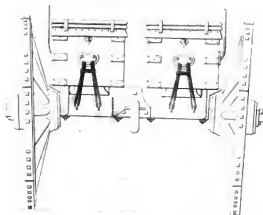
ii) Longitude West from Greenwich iii) Longitude East from Greenwich



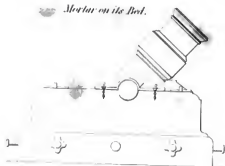




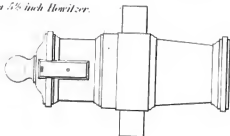
Back deviation of Limbers.



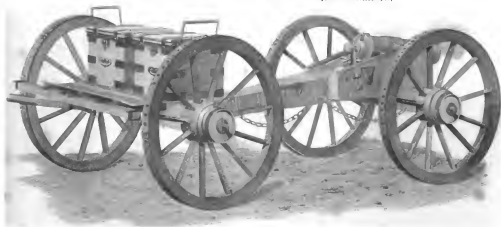
Mortar on the Bed.



Section and plan of a 5 1/2 inch Howitzer.



Perspective view of an Howitzer with carriage and limbers.



MISCELLANEOUS.
Artillery, N^o III.

Plate VII.

Front and side elevation of the breech block



Fig. 1. Elevation.

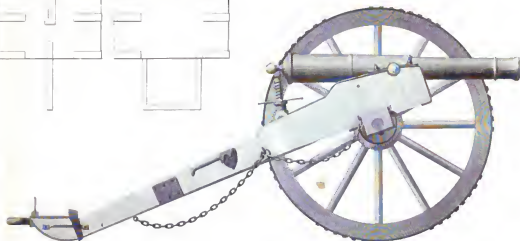
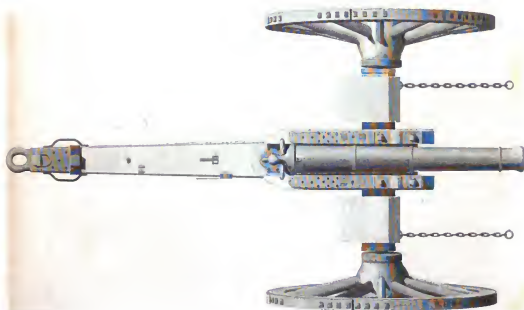


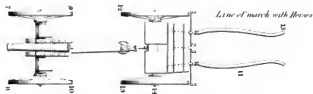
Fig. 2. Plan.



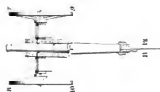
Ancient Artillery No II.



Artillery Exercises



Prepare for action 9 Men.



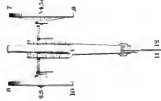
Advance quick with 15 Men



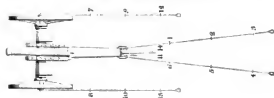
Retreat firing



Prepare for action 15 Men

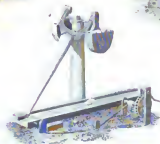
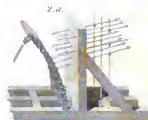


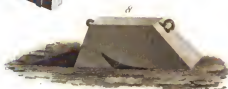
Retreat quick with 2 pair drag ropes.



MISCELLANEOUS.
Ancient Artillery, N^o 1.

Plate



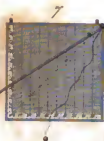
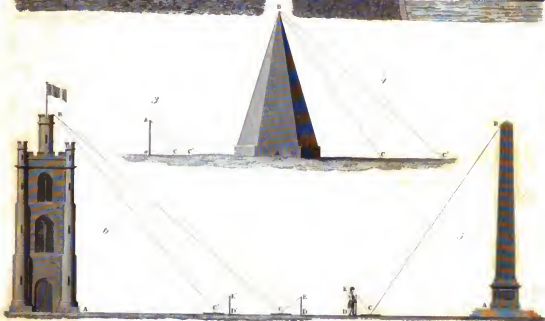


Published as the Act directs. Filmmakers: John Ford, James Ford, and John Ford.

MISCELLANEOUS.

Plate III.

Altitude

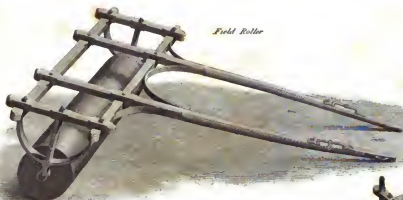


Drawn by Joseph Stansfield

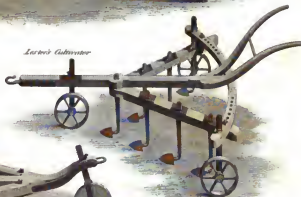
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Engraved by James Dods

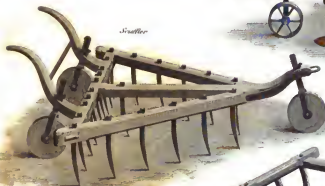
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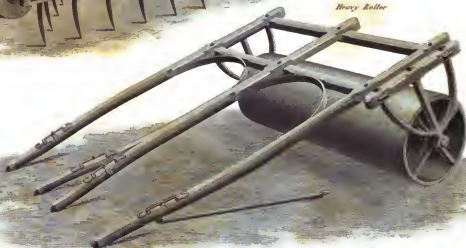
Field Roller



Lortie's Cultivator



Sifter

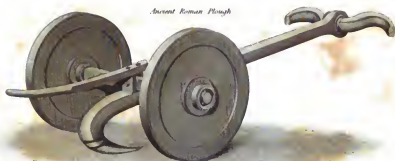


Heavy Roller

AGRICULTURAL IMPLEMENTS.

Plate II.

Ancient Roman Plough



Old Norfolk Plough



Rotherham Plough.



Ld. Somerville's double Plough.



Paring Plough.



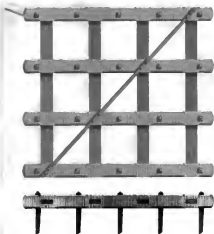
Improved Norfolk Plough.



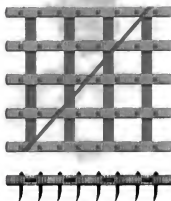
AGRICULTURAL IMPLEMENTS.

Plate 1.

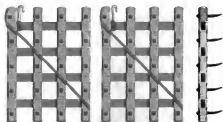
First, or Twitch Harrow.



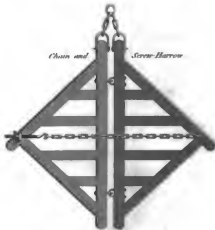
Second, or Fallow Harrow.



Common Seed Harrows.



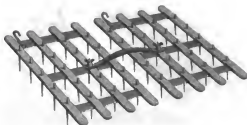
Churn and Screw-Harrow



*Iron
Seed Harrows.*



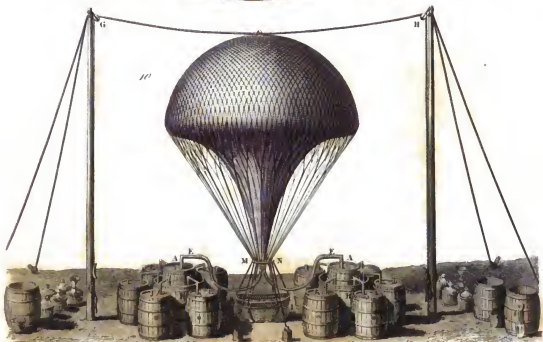
Double Seed Harrows



AERONAUTICS.

Plate II

Mr. Sadler's Car



AERONAUTICS.

Plate I.

Lamar's Aeronautic Machine



Montgolfier's Balloon



Blanchard's Balloon



Garnerin's Landing



Charles & Roberts' Balloon



Garnerin's Descending



Form of the Wings employed by Lamardi



Drawn by Joseph Clement.

Fig 7



Published as the Act directs April 1818 by Rast Fennell Stationer &c.

Form of the Wings employed by Blanchard



Expressed by J.W. Warren S.T.P.

MISCELLANEOUS.

Accubation.

Plate II.



Drawn & Etched by The Landseer from the 'Sacraments of Pausan' in the Collection of the Marquis of Shaftesbury.

Published as the Act directs April 1st 1828 by Ross Fowler Paternoster Row

MISCELLANEOUS.

Thyrsinian Cattle.

Plate I



Engraved by Tho^r London

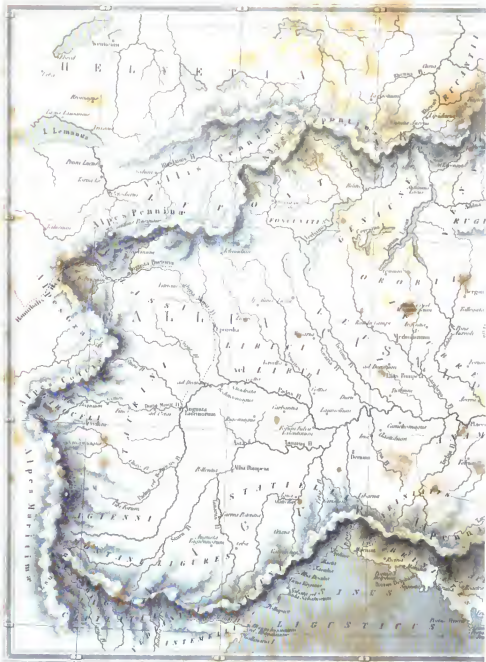
Published as the Art directs January 1st 1795 by Kurt Pomeroy Faintwater Rose

EUROPE UNDER THE EMPIRE OF CHARLEMAGNE.



EUROPE AT THE DISMEMBERMENT OF THE CARLOVINGIAN EMPIRE.

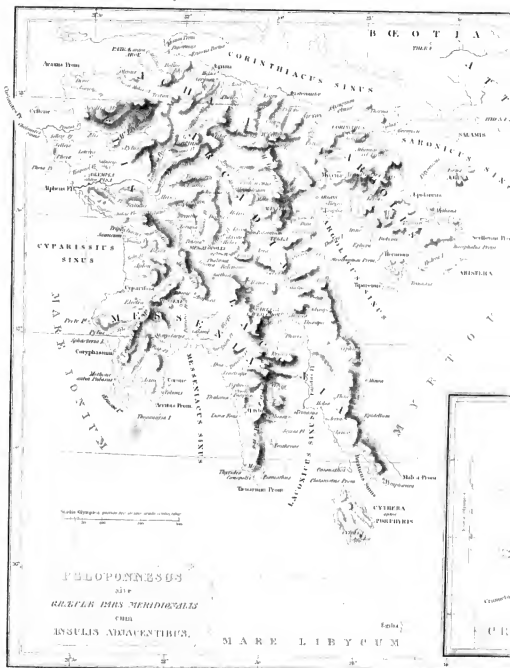














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On an Original Plan:

COMPRISING THE TWOFOLD ADVANTAGE OF

A PHILOSOPHICAL AND AN ALPHABETICAL ARRANGEMENT,

WITH APPROPRIATE ENGRAVINGS.

EDITED BY

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PLATES.



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